

Devi

1641

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RAW SEQUENCE LISTING

PATENT APPLICATION US/09/284,233

DATE: 12/10/1999

TIME: 10:38:53

Input Set: I284233.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

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1  <110> APPLICANT: MEYER, Thomas F.
2      HAAS, Rainer
3      ZHENGXIN, Yan
4      GOMEZ-DUARTE, Oscar
5      LUCAS, Bernadette
6  <120> TITLE OF INVENTION: Helicobacter pylori live vaccine
7  <130> FILE REFERENCE: P564-9008
8  <140> CURRENT APPLICATION NUMBER: US/09/284,233
9  <141> CURRENT FILING DATE: 1999-07-28
10 <150> EARLIER APPLICATION NUMBER: PCT/EP97/04744
11 <151> EARLIER FILING DATE: 1997-09-01
12 <150> EARLIER APPLICATION NUMBER: EP/96 116 337.5
13 <151> EARLIER FILING DATE: 1996-10-11
14 <160> NUMBER OF SEQ ID NOS: 6
15 <170> SOFTWARE: PatentIn Ver. 2.1
16 <210> SEQ ID NO 1
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19 <213> ORGANISM: Helicobacter pylori
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27      tta agc ttg agc ttc aat cca gtg ggc gct gaa gaa gat ggg ggc ttt      96
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30      atg acc ttt ggg tat gaa tta ggt cag gtg gtc caa caa gtg aaa aac      144
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32      35              40              45
33      ccg ggt aaa atc aaa gcc gaa gaa tta gcc ggc ttg tta aac tct acc      192
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35      50              55              60
36      aca aca aac aac acc aat atc aat att gca ggc aca gga ggc aat gtc      240
37      Thr Thr Asn Asn Thr Asn Ile Asn Ile Ala Gly Thr Gly Gly Asn Val
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39      gcc ggg act ttg ggc aac ctt ttt atg aac caa tta ggc aat ttg att      288
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41      85              90              95
42      gat ttg tat ccc act ttg aac act agt aat atc aca caa tgt ggc act      336
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106   Asp Thr Tyr Ile Ser Thr Leu Arg Asn Ser Ser Gln Leu Ala Ser Arg
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108   cct aca gcg acg aaa ttc caa ttc ttg ttt gat gtg ggc tta cgc atg    1392
109   Pro Thr Ala Thr Lys Phe Gln Phe Leu Phe Asp Val Gly Leu Arg Met
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111   aac ttt ggt atc ttg aaa aaa gac ttg aaa agc cat aac cag cat tct    1440
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113   465          470          475          480
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134   Pro Gly Lys Ile Lys Ala Glu Glu Leu Ala Gly Leu Leu Asn Ser Thr
135          50          55          60
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137          65          70          75          80
138   Ala Gly Thr Leu Gly Asn Leu Phe Met Asn Gln Leu Gly Asn Leu Ile
139          85          90          95
140   Asp Leu Tyr Pro Thr Leu Asn Thr Ser Asn Ile Thr Gln Cys Gly Thr
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150	Gln Leu Ser Glu Leu Asn Thr Ala Ser Val Tyr Leu Thr Tyr Met Asn		
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152	Ser Phe Leu Asn Ala Asn Asn Gln Ala Gly Gly Ile Phe Gln Asn Asn		
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154	Thr Asn Gln Ala Tyr Gly Asn Gly Val Thr Ala Gln Gln Ile Ala Tyr		
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180	Ser Arg Ser Leu Asn Ala Gly Phe Phe Gly Gly Ile Gln Leu Ala Gly		
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182	Asp Thr Tyr Ile Ser Thr Leu Arg Asn Ser Ser Gln Leu Ala Ser Arg		
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205   agc ata agt tat gcc gaa gat gat gga ggg ttt ttc acc gtc ggt tat   96
206   Ser Ile Ser Tyr Ala Glu Asp Asp Gly Gly Phe Phe Thr Val Gly Tyr
207               20               25               30
208   cag ctc ggg caa gtc atg caa gat gtc caa aac cca ggc ggc gct aaa   144
209   Gln Leu Gly Gln Val Met Gln Asp Val Gln Asn Pro Gly Gly Ala Lys
210               35               40               45
211   agc gac gaa ctc gcc aga gag ctt aac gct gat gta acg aac aac att   192
212   Ser Asp Glu Leu Ala Arg Glu Leu Asn Ala Asp Val Thr Asn Asn Ile
213       50               55               60
214   tta aac aac aac acc gga ggc aac atc gca ggg gcg ttg agt aac gct   240
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216       65               70               75               80
217   ttc tcc caa tac ctt tat tgc ctt tta ggg gct tac ccc aca aaa ctc   288
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223   tct ggg act tgt gcg gct gca ggg acg gct ggt ggc act tct ctt aac   384
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225       115              120              125
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238   gga act agt agt gct agt gga act agt ggt gcg act ggt tca gat ggt   624
239   Gly Thr Ser Ser Ala Ser Gly Thr Ser Gly Ala Thr Gly Ser Asp Gly
240               195              200              205
241   caa act tac tcc aca caa gct atc caa tac ctt caa ggc caa caa aat   672
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